

Distributions of Uranium Fission Fragment  
Mixtures, Cerium-144 and Cesium-137 in the  
Frog (*R. temporaria*), by V. G. Kulikova,  
E. A. Timofeeva-Resovskaya, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV,  
No 4, 1957, pp 706-

Amer Inst of Biol Sci

Sci - Med

May 58

63,556

The Use of Radioactive Isotopes in  
Studying the Mechanism of the Basic Processes  
in Hot Tinning, by A. I. Vitkin.  
UNCLASSIFIED

RUSSIAN, per, Dok Ak Nauk SSSR, vol XIV, No 4,  
Zhuk, pp 710-714.  
1957

Co-op Tr Scheme 495  
(1 2)

Sci - Chem  
Jan 59

77,857

On the Region and Law of Friction of Rubber in a  
Lubricant for High-Speeds and High Loads, by  
A. V. Kol'chenko, A. A. Silin.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 4, 1958,  
pp 714-716.

MIT, Lincoln Lab

Sci - Phys

May 58

63,947

Kinetics of Catalytic Dehydrogenation of  
Isopropyl Alcohol in Presence of Transition  
Metals of the Fourth Period, by A. A. Balandin  
and P. Teteni, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 1,  
1957, pp 727-730.

Consultants Bureau

Sci - Chem

Aug 58

70,930

Use of Catalysts Based on Magnesium Halogen Alkyls and  
Titanium Tetrachloride in the Production of Amorphous  
and Crystalline Polymers From  $\alpha$ -Olefines and Dienes,  
by N. A. Dolgoplosk et al. UNCLASSIFIED

RUSSIAN, three-mo per, Dok Ak Nauk SSSR, Vol CXV,  
No 4, 1957, pp 731-733.

*Chemical Abstracts*  
Co-op Tr Scheme Tr 448

Sci - Chem  
Apr 58

62,290

Thermal Telomerization of Olefins with Silanes  
Containing Si-H Bond, by A. N. Nesmeyanov, R. Kh.  
Freidlin and E. TIK Ts Chukovskaya, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 1,  
1957, pp 734-736.

Consultants Bureau

Sci - Chem

Aug 58

70,931

The Association of Organolithium Compounds of  
the Aliphatic Series in Hydrocarbon Solutions,  
by E. B. Zlotovskiy and M. F. Sonina, 4 pp.

RUSSIAN, par, Dok Ak Nauk SSSR, Vol CXV, No 1,  
1957, pp 737-739.

Consultants Bureau

Sci - Chem

Aug 58

70,932.

The Chemical Composition of Gasolines from  
Thermal and Catalytic Cracking, by E. G.  
Iskhakova, T. V. Fedorova, T. N. Buturlova  
and N. N. Chekalova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 2,  
1957, pp 740-

Consultants Bureau

Sci - Chem

Aug 58

70,933



The Ionization of the Vapors of Certain Organic Compounds, by F. I. Vilesov and A. H. Gerasimov, 4 pp.

Doklady, part, Dok Ak Nauk SSSR, Vol CXV, No. 1957, pp 744-746.

Consultants Bureau

811

7-3, 6-3

Aug 50

The Relative Part Played by Electric and Et  
Diffusion Processes in Phenomena Relating to  
the Adhesion of the Polymers, by L. P. Morozova.  
UNCLASSIFIED

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 4,  
1957, pp 747-750.

DSIR Tr 478 R

Sci - Chem; Phys  
Sep 58

*Consultation Bureau*  
71,914

The Super-equivalent Adsorption of Gases  
on a Negatively-Charged Mercury Surface,  
by A. N. Frumkin, B. B. Danaskin and N.  
Nikolayeva-Fedorovich, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. CXV, No  
4, 1971, pp 151-154.

Consultants Bureau

Sci

73 428

Aug 58

Seasonal Characteristics of the Vertical Distribution of Oxygen in the Photosynthesis Zone of the Black Sea, by M. A. Dobrzanskaya, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 4, Jul/Dec 1957, p 755.

Consultants Bureau

Sci - Chem  
Aug 58

69, 314

On the Mechanism of Catalase Action, by P. V. Afanasev,  
A. I. Shulmina, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 4, 1957,  
pp 759-762.

Consultants Bureau

Sci - Biology  
May 58

62,701

The Mechanism of Contraction and Spontaneous Relaxation  
of Glycerinated Models of Muscle Fibrils, by I. I.  
Ivanov, G. P. Pinayev, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 4, 1957,  
pp 763, 764.

Consultants Bureau

Sci - Biology  
May 58

62,702

Marine Algae and Spropels as Sources of Vitamin  
B<sup>12</sup>, by L. C. Kutseva, V. N. Bukin, ~~NY~~ 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 4, 1957,  
pp 765-

Consultants Bureau

Sci - Biology  
May 58

62,703

Measurement of the Thermal Conductivity of  
a Suspended Layer, by A. K. Bondareva, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV,  
No 4, Jul-Dec 1957, p 768.

Consultants Bureau

Sci - Chem  
Aug 58

69, 331



Periodicity of Destructive Earthquakes in the  
Caucasus and in Turkey, by I. V. Kirillova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 4,  
1957, pp 771-773.

Consulted Bureau

Sci - Geophys

Sep 58

72,650

Spheres in the Devonian Deposits of the Russian Platform, by E. A. Reitlinger, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 4, 1957, pp 774-776.

Consultants Bureau

Sci - Geophys

Sep 58

72,651

The Relationship between Skarns and Greisen,  
by P. M. Khrenov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No  
4, 1957, pp 777-779.

Consultants Bureau

Sci - Geophys

Sep 58

72,652

New Data on the Devonian of the Dnepr-Donets  
Depression, by P. L. Shulga, A. M. Ishchenko,  
T. A. Ishchenko and S. V. Gorak, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No  
4, 1957, pp 780-.

Consultants Bureau

Sci - Geophys

Sep 58

72,653

Deviations of Minerals of the Pyrochlore Group from the Formula Type  $A_2B_2X_7$  and and the Role of Water of Constitution in the Crystalline Lattice of Pyrochlore, by L. S. Borodin and I. I. Nazarenko, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 4, 1957, pp 783-786.

Consultants Bureau

Sci - Geophys

72,683

Sep 58

The Composition of Minerals of the Anosovite Group, by A. V. Rudneva and T. Ya. Malysheva, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 8, 1957, pp 787-.

4

Consultants Bureau

Sci - Geophys

Sep 58

72,684

The Histology of the Healing of Stitched Operative  
Wounds in Dogs and Cats, by L. B. Berlin, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 1,  
1957, pp 799-

Amer Inst of Biol Sci

Sci - Med

May 58

68,572

The Condition of the Nerve Cells in Lymphadenomatous Tissue in Acute Radiation Sickness, by I. B. Soldatov, 3 pp.

RUSSIAN, per Dok Ak Nauk SSSR, Vol CXV, No 4, 1957, pp 803-805.

Amer Inst of Biol Sci

Sci - Med

May 58

63573



The Effect of X-rays on the Variability of  
Actinomyces, subarcticus (Producer of Al-  
bomycin), by G. I. Likhanyan, F. S. Klepikova, 3 pp.

RUSSIAN, per Dok Ak Nauk SSSR, Vol CXV, No 4,  
1957, pp 806-

Amer Inst of Biol Sci

Sci - Med

May 58

63,568

The Role of Earthworms in Clearing Soil of  
Contamination by Radioactive Isotopes, by A.  
A. Peredel'sky, N. A. Poryadkova, L. Z. Rodionova,  
S. V. Tarchevskaya, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 4,  
1957, pp 809-

Amer Inst of Biol Sci

Sci - Med

May 56

63,558

The Microflora of Deep, Tertiary Age Oils  
From the Ansheronki Peninsula, by G. G.  
Rybakova, 3 pp.

RUSSIA, per, Dok Ak Nauk SSSR, Vol CXV,  
No 4, 1957, pp. 813-815.

Amer Inst of Biol Sci

Sci - Med

May 58

63,577

On the Ability of Sulfate-Reducing Bacteria  
to Utilize Methane for the Reduction of  
Sulfates to Hydrogen Sulfide, by V. I.  
Sorokin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 4,  
1957 pp 816-818.

Amer Inst of Biol Sci

Sci - Med

May 58

63,578

A Comparative Study of the Embryology and Morphology  
of Flowering in Some Species of Eucalyptus, by N. N.  
Polunina, 3 pp.

RUSSIAN, par. Dok Ak Nauk SSSR, Vol. CXV, No 4, 1957,  
pp 819-821.

Sci - Biology  
Apr 58

Amer Inst of Phys  
Sov Phys-Doklady  
Vol II, No 4

61, 514

An Investigation Concerning the Role of Leaves at  
Different Levels in the Formation of Reproductive  
Organs in Summer Wheat, by B. E. Kravtsova, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIV, No 4, 1957,  
pp 822-825.

Amer Inst of Phys

Sci - Biology  
Apr 58

Sov Phys-Doklady  
Vol II, No 4

61, 525

In Vivo Observations Made on the Interneuronal  
Connections and Receptors in the Urinary Bladder  
of the Grass Frog (*Rana temporaria*), by V. N.  
Majorcov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 4,  
1957, pp 826-828.

Amer Inst in Biol Sci

Sci - Med

May 58

63,584

Proprioception in Eye Movements, by N. Kh.  
Gurevich, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV,  
No 4, 1957, pp 829-831.

Amer Inst of Biol Sci

Sci - Med

May

E

63,588



Experiments on the Blood-Brain Barrier,  
by G. N. Kassil, A. M. Vein, B. I.  
Kamenetskaya, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV,  
No 4, 1957, pp 833-836.

Amer Inst of Biol Sci

Sci - Med

May 58

OTS 62-14705

63,589

Motor-Defensive Conditioned Reflexes in  
Successive Deprivation of Visual, Olfac-  
tory, Auditory and Vestibular Function  
in Dogs, by I. V. Lobanova, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV,  
No 4, 1957, pp 837-840.

Amer Inst of Biol Sci

Sci - Med

May 58

63,590

Changes of Central Neurons Following Stimulation  
of Peripheral Nerves, by S. N. Romanov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 4,  
1957, pp 841-844.

Amer Inst of Biol Sci

Sci - Med

May 58

63,591

The Time When Sperm Makes Contact With the Egg  
During the Fertilization Process in Sturgeon, by  
A. S. Ginzburg, 4 pp.  
RUSSIAN, per Dok Ak Nauk SSSR, Vol CXV, No 4, 1957,  
pp 845-

Amer Inst of Biol Sci

Sci - Med

May 58

63,560

Reduced Strategies for Games in Generalized Form,  
by N. N. Vorobyev, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 5,  
1957, pp 855-857.

S LA R-3118

Sci  
Jul 59

92,994

Propagation of a Nearly Spherical Thermal Wave, by  
E. I. Andriankin, O. S. Ryzhov, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 5, 1957,  
pp 802-885.

Morris D. Friedman

A-134

Sci

9092552

Jul 59

91,302

Asymptotic Formulas for Generalized Legendre  
Functions and Gegenbauer Functions, by  
R. M. Miradyan, 7 p.

RUSSIAN, per, Dok Ak Nauk SSSR, 1958<sup>7</sup>,  
Vol CXV, No 5, pp 887-890.

SLA 59-20212

Sci

Apr 60

Vol III, No 3

112,028

Dispersion Relations for Weak Interactions, by N. N. Bogoliubov, S. M. Bilen'kiy, A. A. Logunov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No <sup>5</sup>1, 1957, pp 891-893.

Amer Inst of Phys  
Sov Phys "Doklady"  
Vol II, No 4

Sci - Phys

May 58

63,709



On the Theory of the Polarization of Fluorescence  
of Solutions, by P. I. Kudriashov, B. Ia. Svesnikov  
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 5, 1957,  
pp 894-897.

Amer Inst of Phys  
Sov Phys-"Doklady"  
Vol II, No 4

Sci - Phys

May 58

63,710

The Change of Conductivity of KBr in Strong Fields  
at Temperatures From 300° to 450°, by V. F.  
Pisarenko, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 5, 1957,  
pp 898-900.

Amer Inst of Phys  
Sov Phys-"Doklady"  
Vol II, No 4

Sci - Phys

May 58

63,711

On the Temperature Dependence of the Heat Capacity  
of Solids, by N. N. Sirota, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 5, 1957,  
pp 901-903.

Amer Inst of Phys  
Sov Phys-"Doklady"  
Vol II, No 4

Sci - Phys

May 58

63,712

Experimental Studies of the Alpha Decay of Medium-  
Weight Nuclei, by Yu. A. Surkov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 5, 1957,  
pp 904-906.

Amer Inst of Phys  
Sov Phys-"Doklady"  
Vol II, No 4

Sci - Phys

May 58

63,713

Matrix Algebra of the Theory of Spin  $3/2$  Particles,  
by E. E. Fradkin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 5, 1957  
pp 907-910.

Amer Inst of Phys  
Sov Phys "Doklady"  
Vol II, No 4

Sci - Phys

May 58

63,714

The Optical Anisotropy of Some Chain Molecules  
Containing Benzene Rings, by V. N. Tsvetkov,  
S. Ia. Magarik, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 5, 1957  
pp 911-/

Amer Inst of Phys  
Sov Phys-"Doklady"  
Vol II, No 4

Sci - Phys

May 58

63,715

The Mechanism for the Oxidation of  
Cyclohexanone with Sodium Hydroxylamine  
Monosulfonate. by E. N. Zilberman and  
M. M. Smirnova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 1,  
1957, pp 927-930.

Consultants Bureau

Sci - Chem

Aug 58

70,926

Study of the Nitration of Isopropylcyclohexane with  
Nitric Acid, by A. V. Topchiev, S. D. Mekhtyev  
and A. Sh. Novruzova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 2,  
1957, pp 931-

Consultants Bureau

Sci - Chem

Aug 58

70,927



Study of the Mechanism of the Electrolytic  
Formation and Hydrolysis of Persulfate by  
the Isotopic Method, by A. I. Brodskiy, I.  
P. Franchuk and V. A. Lushchik-Borzhakina,  
2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. XIV, No.  
6, 1957, pp 934-937.

541

Aug 58

Consultants Bureau

Co. 0 P. 3 Col 562  
73, 697

Absorption of Water on Quartz, Crushed in Vacuum,  
by S. P. Zhdanov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 5,  
1957, pp 933-41.

Consultants Bureau

Sci - Chem

Aug 58

73 700

Film and Capillary-Held Water in a Porous Medium,  
by M. M. Kuzakov and L. Es I. Mekenitskaya, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 5,  
1957, pp 942-945.

ATS R.T- 1030  
Consultants Bureau

Sci - Chem

Co opt r Sch 525

Aug 58

73,781

The Influence of Adsorption Layers on the Dis-  
persion of Graphite, by L. A. Feigin and V. N.  
Rozhanskiy, 4 pp.

RUSSIAN, per, Dokl Ak Nauk SSSR. Vol CXV, No 3,  
1957, pp 946-948.

Consultants Bureau

Sci - Chem

Aug 58

73 742

The Anodic Solution of Thorium in Salt Melts  
by L. D. Yushina and M. V. Smirnov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 5,  
1957, pp 949..

Consultants Bureau

Sci - Chem

Aug 58

73,703

The Change in Sprption Properties in a Genetic  
Series of Fossil Coals, by I. L. Ettinger,  
4 pp. SS

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No  
5, Jul/Dec 1957, p 953.

Consultants Bureau

Sci - Chem  
Aug 58

69, 315

Polysaccharide Fractions of Actinomyces Globisporus  
Streptomycini Kras, by A. N. Belozersky, I. B.  
Naumova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 5, 1957,  
pp 957-960.

Consultants Bureau

Sci - Biology  
May 58

62,704

On the Direct Action of Reducing Agents on Gluten  
Proteins, by N. I. Dalenko, V. L. Kretovich, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 5, 1957,  
pp 961-

Consultants Bureau

Sci - Biology  
May 58

62,885



The Irregularity of Intrusive Activity and the  
Reconstruction of ~~of~~ the History of Tectonic  
Movements (as Exemplified in Armenia), by S.  
I. Balasanyan, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CIV, No 5,  
1957, pp 965-967.

Consultants Bureau

Sci - Geophys

Sep 58

72,646

The Petrographic Peculiarities of the Carboniferous  
of the Southern Emba Uplift, by Yu. M. Vasilyev  
and B. K. Proshlyakov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 5,  
1957, pp 968-970.

Consultants Bureau

Sci - Geophys

Sep 58

72,647

On the Laminaritic and Supra-Laminaritic  
Beds of the Lower Cambrian of Estonia, by  
A. I. Verte, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CKV,  
No 5, 1957, pp 971-974.

Consultants Bureau

Sci - Geophys

Sep 58

72,648

ROUS

Two Types of Associations of the Carbonate  
Components in Concretions of the Russian  
Platform, by D. A. Vital, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV,  
No 5, 1957, pp 975-977.

Consultants Bureau

Sci - Geophys

Sep 53

72,649

On the Question of the Age of the Pasha and the  
Chibyu Beds of the Southeastern Timan Region  
by I. A. Voitovich, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 5,  
1957, pp 978, 979.

Consultants Bureau

Sci - Geophys

Sep 58

72,643

Clastic Veins and Dikes in the Coal Beds  
and Enclosing Rocks of the Int<sup>a</sup> Deposit,  
by G. A. Dmitriev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No  
5, 1957, pp 980-983.

Consultants Bureau

Sci - Geophys

Sep 58

72,644

On the Age of the Graywacke Series of Eastern  
Mongolia, by N. A. Marinov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No  
5, 1957, pp 984-986.

Consultants Bureau

Sci - Geophys

Sep 58

72,645

On the Geology of the Pegmatites of the Sangilen  
Mountains (Southeastern Tuva), by N. N. Martyanov, 1  
pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 5, 1957,  
pp 987-990.

Consultants Bureau

Sci - Geophys

Sep 58

72,639



Facies Development and a Scheme of Subdividing  
the Gusinoe Ozero Coal Beds, by Ts. O. Ochirov,  
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 5,  
1957, pp 991-994.

Consultants Bureau

Sci - Geophys

Sep 58

72,640

The Role of Pyroclastic Material in the Karaganda Series of the  $\Phi$  Karaganda Basin, by  
H. V. Rengarten, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 5,  
1957, pp 995-.

Consultants Bureau

Sci - Geophys

Sep 58

72,641

Carbon Dioxide in Subsurface Waters, by K.  
F. Orfanidi, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No  
5, 1957, pp 999-.

ATS RJ-1352  
Consultants Bureau

Sci - Geophys

Sep 58

72,680

On the Minor Elements in the Carbonate Concretions  
in the Coal-Bearing Beds of the Donets Basin, by  
P. V. Zaritskiy, 4 pp.

RUSSIAN, per, Dokl. Ak. Nauk SSSR, vol. CXV, No 5,  
1957, pp 1002-.

Consultants Bureau

Sci - Geophys

Sep 58

73,265-

Podzolization and Illimerization, by E. M. Fridland.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, 1957,  
pp 1006-1009.  
GB/25

Sci - Biol/Med  
Apr 64

257,280

Development of Multinucleate Structures in  
Pericardial Mesothelium, by G. A. Koblov, 4pp.

RUSSIAN, per Dok Ak Nauk SSSR, Vol CXV, No 5,  
1957, pp 1011-1014.

Amer Inst of Biol Sci

Sci - Med

May 58

63,574

Mutation Effect From the Combined Action  
of Ethyleneimine and Ultra Violet Rays  
on Actinomycetes, by S. I. Alikhanyan, S.  
Yu. Goldat, A. F. Tetryatnik, 3 pp.  
RUSSIAN, per Dok Ak Nauk SSSR, Vol CXV,  
No 5, 1957, pp 1015-1017.

Amer Inst of Biol Sci

Sci - Med

May 58

63,569

5

The Effect of Doses of Mineral Nitrogen on Nitrogen-Fixing Activity in Various Strains of Lupine Nodule Bacteria, by M. V. Fedorov, K. A. Svitych, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 5, 1957, pp 1018-

Amer Inst of Biol Sci

Sci - Med

May 58

63,579



Prop Branches in *Padus Racemosa*, by E. A. Selivanova-Gorodkova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 5, 1957,  
pp 1023, 1024.

*Per. & Dokl. Ak. Nauk SSSR*  
Amer Inst of Phys

Sov Phys-Doklady  
Vol II, No 4

Sci - Biology  
Apr 58

61,515~

Embryo Sac in the Genus Tulipa, by I. D. Romanov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 5, 1957,  
pp 1025-1027.

Amer Inst of Phys

Sov Phys-Doklady

Vol II, No 4

Sci - Biology  
Apr 58

APR 58

61.5/60

The Relationship of Root Structures in Rice to Water  
Conditions in the Soil, by P. S. Erygin, O. N. Ryabchun,  
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 5, 1957,  
pp 1022-1030.

Amer Inst of Phys

Sov Phys-Doklady

Vol II, No 4

Sci - Ecology  
Apr 58

61, 526

An Electron Microscope Study of the Action of the Natural Substance From Actinomyces and of Chemical Compounds on the Organism Causing Blackarm Disease of Cotton - *Pseudomonas Malvacearum* E. Smith, by E. I. Andreyeva, M. E. Kuperman, Z. V. Krasilnikova, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. CXV, No 5, 1957, pp 1031, 1032.

*Amer Inst of Biol Sci*  
Amer Inst of Phys

Sci - Biology  
Arp 58

61,782

Experiments on the Embryonic Membranes of  
the Rats, by K. K. Dondue, A. A. Zavarzin, 4 pp.

RUSSIAN, per Dok Ak Nauk SSSR, Vol. 147,  
No 5, 1957, pp-1033-

Amer Inst of Biol Sci

Sci - 142

May 58

63,566

Indices of Changes in the Central Nervous System  
at Different Stages of Gas Gangrene Infection,

by I. I. Sobieva, O. Ya. Ostry, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 5,  
1957, pp 1037-

Amer Inst of Biol Sci

Sci - Med

May 58

63,592

Absorption of Water by Sturgeon Embryos  
During Formation of the Embryonic Cavities, by A. I. Zotin, 4 pp.

RUSSIAN, per Dok Ak Nauk SSSR, Vol CXV,  
No 5, 1957, pp 1040-

Amer Inst of Biol Sci

Sci - Med

May 58

63,561

Early Stages in the Development of the  
Ovaries in Two Breeds of Chicken with  
Different Rates of Development (Russian  
White and Australorp), by G. R. Myuller,  
M. N. Ragozina, 4 pp.

RUSSIAN, per Dok Ak Nauk SSSR, Vol CXV,  
No 5, 1957, pp 1044-

Amer Inst of Biol Sci

Sci - Med

May 58

63,562



Table of Contents

RUSSIAN, thrice per, Dok Ak Nauk SSSR, Vol CXV,  
No 6, 1957.

CIA/FDD X-2894

MORRIS D FRIEDMAN

Method of Numerical Integration of the Diffusion  
Equation, by V. K. Saulev.  
RUSSIAN, per, Akademiya Nauk SSSR. Doklady, Vol 115,  
1957, pp 1077-1079.  
NTC 71-13780-12A

AEC - UCRL - 410190 77p P411064168-v

Feb 72

Unsteady Motions of an Incompressible Fluid in  
Narrow Regions, by Yu. L. Yakimov, 9 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, 1957,  
pp 1080-1083.

AEC 3393

Sci - Phys

Nov 58

76,444

On the Lateral Distribution of Particles in an Electron-Photon Shower, by V. V. Guzhev, I. P. Ivanenko, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 6, 1957,  
pp 1089-1092.

0

Amer Inst of Phys  
Sov Phys-"Doklady"  
Vol II, No 4

Sci - Phys

May 58

63,716

On the Interaction of High-Energy Particles With  
Nuclei, by A. P. Zhdanov, I. B. Berkovich, K. I.  
Ermakova, F. G. Lepekhin, N. V. Skirda, Z. S.  
Khokhlova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 6, 1957,  
pp 1093-1096.

Amer Inst of Phys  
Sov Phys-"Doklady"  
Vol II, No 4

Sci - Phys

May 58

63,717

On a Method of Calculating Quantum Distribution  
Functions, by R. L. Stratonovich, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 6, 1957  
pp 1097-1100.

Amer Inst of Phys  
Sov Phys-"Doklady"  
Vol II, No 4

Sci - Phys

May 58

63,718

On the Change of Electrical Resistivity in  
Elementary Dislocation Generation, by E. D.  
, Shchukin, V. N. Rozhanskii, Yu. V. Goriunov,

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 6, 1957.  
pp 1101-1103.

Amer Inst of Phys  
Sov Phys-"Doklady"  
Vol II, No 4

Sci - Phys

May 58

63,719

Estimation of the Assumed Coefficient of Thermal  
Conductivity in Models of Atmospheric Processes,  
by A. A. Dmitriev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 6,  
1957, pp 1104-.

Consultants Bureau

Sci - Geophys

Sep 58

72,679



New Data on the Thickness and Bedding of the  
Porous Deposits of the Northwestern Pacific Ocean,  
by A. P. Lisitsyn, I. E. Mikhail'tsev, N. N.  
Sysoyev, G. B. Udintsev, 5 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 6,  
1957, pp 1107-1110. 9658781

Amer Meteor Soc  
AF Res Div, L. G.  
Hanscom Field, Bedford  
Mass

T-R-351

153,063

Sci - Geophysics  
Apr 61

On Relationships of the Diffusion and Lattice  
Reorganization Process During the Decomposition  
of Solid Solutions, by Yu. A. Bagaryatskiy, Yu. D.  
Tyapkin, 6 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, 1957,  
pp 1111-1114.

AEC Tr 3214

Sci - Phys

May 58

X-2954  
64, 843

The Reaction of the Intermediate Products of  
the Arbuzov Rearrangement with Amines, <sup>by</sup> A. E.  
Arbuzov and N. N. Sazonova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 4,  
1957, pp 1119-1121.

Consultants Bureau

Sci - Chem

Aug 58

70,928

On the Mechanism of the Thermal Decomposition of  
Cellulose Under Vacuum and the Formation of  
1,6-Anhydro-1,5-Glucopyranose-Levoglucoan, by  
O. P. Golova, A. M. Pakhomov, E. A. Andrievskaya  
and R. G. Krylova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol XXXV CXV,  
No 2, 1957, pp 1122-1125.

6

Consultants Bureau

Sci - Chem

Aug 58

70,929

Experimental Basis for a Chain Mechanism of the  
Heterogeneous-Catalytic Hydropolymerization of  
Olefins under the Influence of Carbon Monoxide  
and Hydrogen, by N. I. Ershov and Ya. T. Eidelman;

28 pp.

RUSSIAN, per; Dok Ak Nauk SSSR, Vol. CXXV, No. 2,  
1957, pp. 1126-1127

Consultants Bureau

Sci - Chem

Aug 58

73,103

On the Mechanism of Action of Reagents in the  
Flotation Process, by V. I. Klassan and L. P.  
Sivchik, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 6,  
1957, pp 1129, 1130.

Consultants Bureau

NLL 012601

84

Aug 59

73, 734

Passivation and Depassivation of the Lead Anode  
in Concentrated Hydrofluosilicic, Perchloric  
and Hydrofluoboric Acids; by N. M. Etkinova  
and A. I. Gofa, 4 pp.

RIS 720, Dok Ak Nauk SSSR, Vol. CIV, No 6,  
1975, pp 2231-2234.

Consultants Bureau  
RAE Tr 720

301

Aug 56

73, 705

Investigation of the Kinetics of Shear De-  
formation in Aqueous Solutions of Glycer-  
ol, Sucrose and Xylitol, by L. V. Zhailin-  
kov, 5 pgs.

RUSSIAN, pol., DOK AK NAUK, USSR, Vol. XIV, No. 6,  
1957, pp. 1135-.

Consultants Bureau

Sci

7.3, 7.36

Aug 58



Intracellular Enzymes of Lichens, by V. F. Kiprevich,  
E. N. Moiseyeva, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 6, 1957,  
pp 1138-1141.

Consultants Bureau

Sci - Biology  
May 58

62,886

Concerning the First Carbohydrates Formed During  
Photosynthesis, by M. V. Turkina, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV, No 6,  
1957, pp 1142-~~1145~~

Consultants Bureau

Sci - Biology  
May 58

AEC/UCRL-367

62,887

Solubility of Iron Oxides in Borosilicate  
and Boronless Silicate Melts, by K. P. Azarov,  
V. V. Balandina, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXV,  
No 6, Jul-Dec 1957, pp 1146-1147.

Consultants Bureau

Sci - Chem  
Aug 58

69, 332